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104 -001 thru -015

Ritter® by MIDMARK

Medical Examination Table

Serial Number Prefix:
E, F & V

Service and Parts Manual

FOR USE BY MIDMARK
TRAINED TECHNICIANS ONLY

SF-1462

Part No. 003-0464-00 Rev. F (1/01/04)

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(*) Indicates that there has been a serial number break for the illustration and that there are additional point page(s) following the original page.

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IMPORTANT INSTRUCTIONS

General Safety Instructions

Safety First: The primary concern of Midmark Corporation is that this table is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

(1) Read this entire manual before performing any services or repairs on this table.

(2) Be sure you understand the instructions contained in this manual before attempting to service or repair this table.

Safety Alert Symbols

Throughout this manual are safety alert symbols that call attention to particular procedures. These items are used as follows:

DANGER

A DANGER is used for an imminently hazardous operating procedure, practice, or condition which, if not correctly followed, will result in loss of life or serious personal injury.

WARNING

A WARNING is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.

CAUTION

A CAUTION is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

EQUIPMENT ALERT

An EQUIPMENT ALERT is used for an imminently or potentially hazardous operating procedure, practice, or condition which, if not correctly followed, will or could result in serious, moderate, or minor damage to unit.

NOTE

A NOTE is used to amplify an operating procedure, practice or condition.

Warranty Instructions

Refer to the Midmark “Limited Warranty” printed in the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and/or render the 102 Medical Examination Table unsafe for operation.

- In the event of a malfunction, do not attempt to operate the table until necessary repairs have been made.
- Do not attempt to disassemble table, replace malfunctioning or damaged components, or perform adjustments unless you are one of Midmark’s authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Midmark replacement parts.

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SECTION VI
PARTS LIST

6.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

The parts list also illustrates disassembly and assembly relationships of parts.

6.2 Description of Columns

The *Item* column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The *Part No.* column lists the MIDMARK part number for that component.

The *Description* column provides a physical description of the component.

The *Qty.* column lists the number of units of a particular component that is required for the subassembly. The letters “AR” denote “as required” when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the *Part No.* column and the *Description* column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

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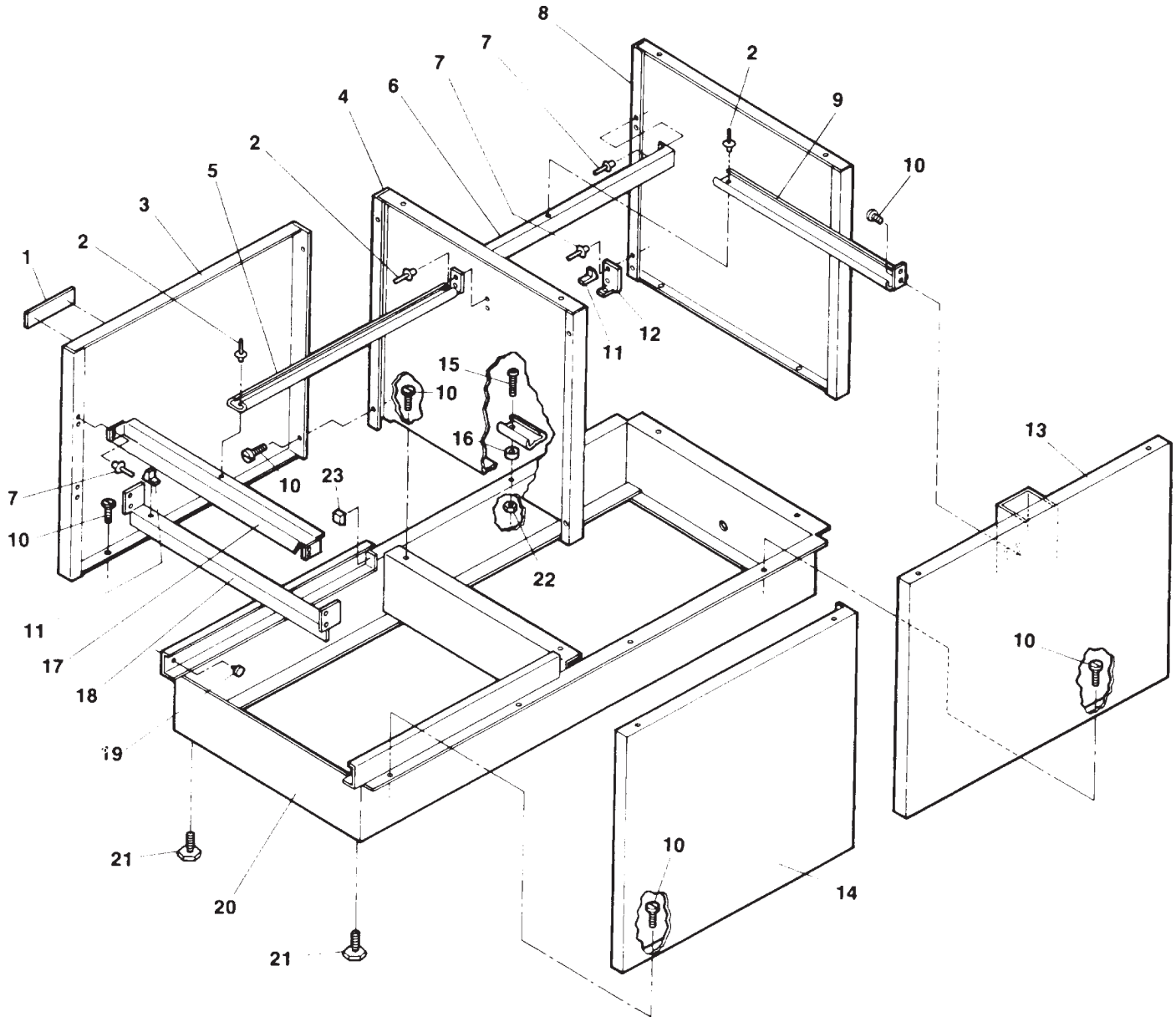
Base And Cabinet Assembly (With Side Drawers)



Item	Part No.	Description	Qty.
1	061-0215-02	104 Nameplate	1
2	042-0010-03	Pop Rivet	10
3	050-0183-01	L.H. Front Support	1
4	050-0606-02	Center Support	1
5	016-0136-00	Slide Front (See Drawer Parts List)	2
6	050-0915-00	Mullion	2
7	042-0010-01	Pop Rivet	18
8	050-0187-00	End Panel	1
9	016-0160-00	Slide Cabinet (See Drawer Parts List)	1
10	040-0010-00	Screw (On earlier models, pop rivets, item 2 were used in place of screws for mounting slides)	44
11	053-0004-00	Glide	10
12	050-0587-00	Bracket	1
13	030-0293-00	Back Weldment	1
14	050-0183-00	R.H. Front Support	1
15	040-0008-10	Screw	1
16	052-0045-00	Spacer	1
17	050-0916-00	Mullion	1
18	050-0824-00	Mullion	1
19	053-0001-00	Nylon Stem Bushing	2
20	030-0192-00	Base Weldment	1
21	016-0001-00	Leveling Screw	4
22	041-0008-02	Nut	2
23	053-0014-00	Self Sticking Bumper	2

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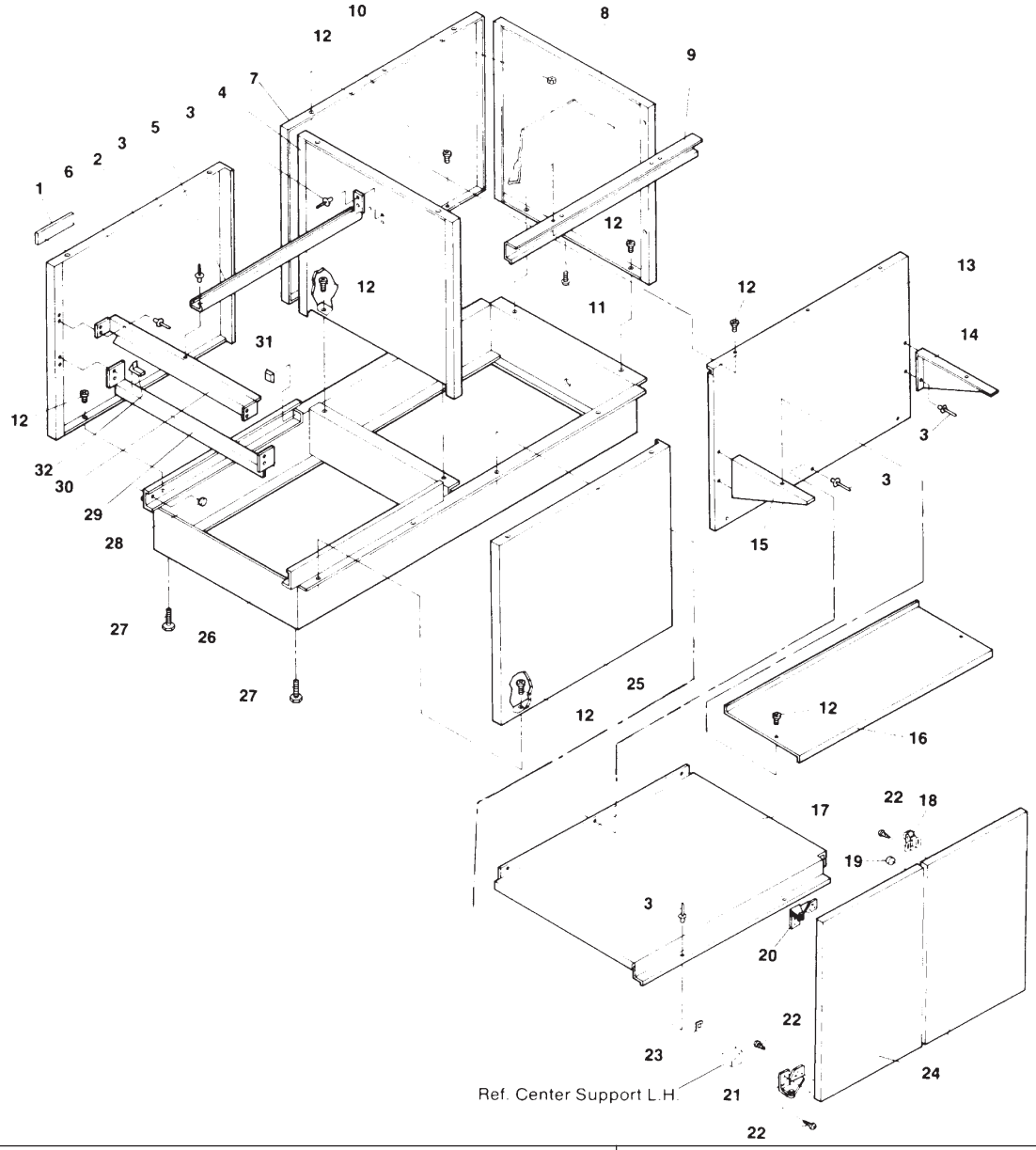
Base, Cabinet And Door Assembly (With Side Doors)



Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	061-0215-02	Name Plate	1	17	050-1124-01	L.H. Bottom Shelf	1
2	050-0183-01	L.H. Front Support	1	18	016-0004-00	Roller Catch	2
3	042-0010-03	Pop Rivet	13	19	053-0013-00	Self Sticking Bumper	8
4	050-0606-05	L.H. Center Support	1	20	016-0012-05	L.H. Hinge	2
5	016-0136-00	Front Slide	2	21	016-0012-04	R.H. Hinge	2
6	042-0010-01	Pop Rivet	8	22	040-0006-01	Screw	24
7	050-0185-00	Back	1	23	041-0007-00	Speed Nut	12
8	050-0187-05	L.H. End Panel	1	24	055-6100-01	Cabinet Door	2
9	050-1123-00	Mullion	1	25	050-0183-00	R.H. Front Support	1
10	041-0008-02	Nut	2	26	030-0192-00	Base Weldment	1
11	040-0008-18	Screw	2	27	016-0001-00	Leveling Screw	4
12	040-0010-00	Screw	43	28	053-0001-00	Nylon Stem Bushing	2
13	050-1125-00	Shelf Back	1	29	050-0824-00	Mullion	1
14	050-0167-00	R.H. Shelf Bracket	1	30	050-0916-00	Mullion	1
15	050-0167-01	L.H. Shelf Bracket	1	31	053-0014-00	Self Sticking Bumper	4
16	050-0166-02	Shelf	1	32	053-0004-00	Glide	4

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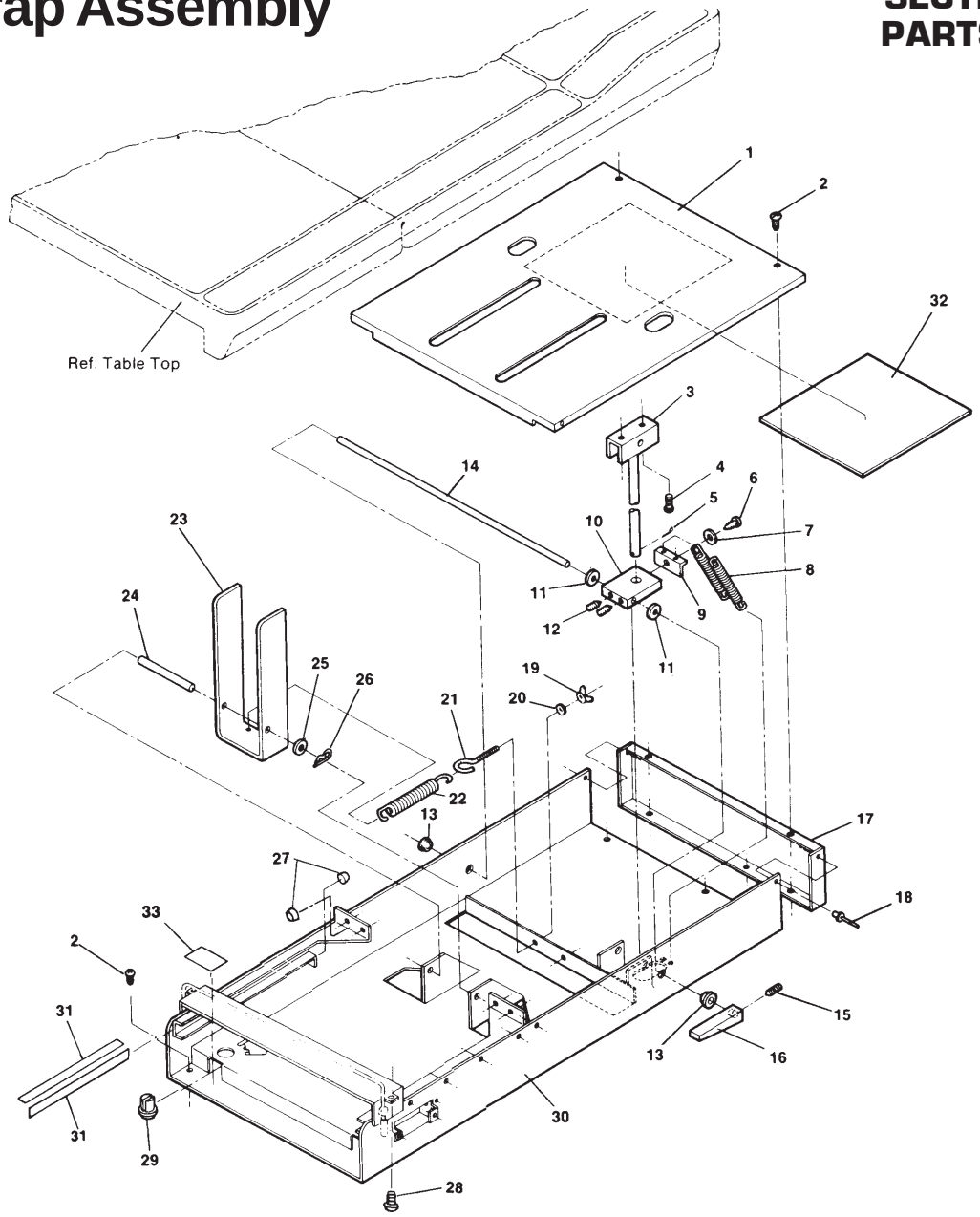
Upper Wrap Assembly



MA2694-01

Item	Part No.	Description	Qty.
1	029-0305-00	Top Cover Assembly (Includes Sound Damp, Item 32)	1
	050-0557-00	Top Cover (Sound Damp - Not Included)	1
2	040-0010-00	Screw	52
3	029-0151-00	Back Support Rod Assembly	1
4	040-0010-01	Screw	2
5	042-0003-00	Cotter Pin	1
6	040-0010-03	Screw	1
7	045-0001-04	Lockwasher	1
8	025-0008-00	Backlock Spring	2
9	050-0101-00	Backlock Spring Retainer	1
10	051-0002-00	Backlock	1
11	045-0001-01	Flat Washer	2
12	040-0250-00	Set Screw	2
13	053-0068-01	Snap Bushing	3
14	057-0003-00	Back Lock Rod	1
15	040-0250-05	Set Screw	2
16	021-0001-01	Back Lock Lever	2
17	050-0180-00	End Cap	1
18	042-0010-03	Pop Rivet	2
19	041-0250-05	Wing Nut	2
20	045-0001-02	Flat Washer	2
21	016-0008-00	Eye Bolt	2
22	025-0003-00	Lift Spring	2
23	051-0132-00	Lift Lever	1
24	057-004-00	Lift Support Rod	1
25	045-0001-01	Flat Washer	4
26	042-0004-00	Hitch Pin	2
27	053-0014-00	Self Sticking Bumper	2
28	061-0004-00	Stirrup Instruction Tag	1
29	053-0082-00	Pivot Boss	2
30	030-0179-00	R.H. Upper Wrap	1
	030-0179-02	R.H. Upper Wrap (For Heater)	1
31	053-0018-00	Nylon Tape	1
32	054-0067-00	Sound Damp	1

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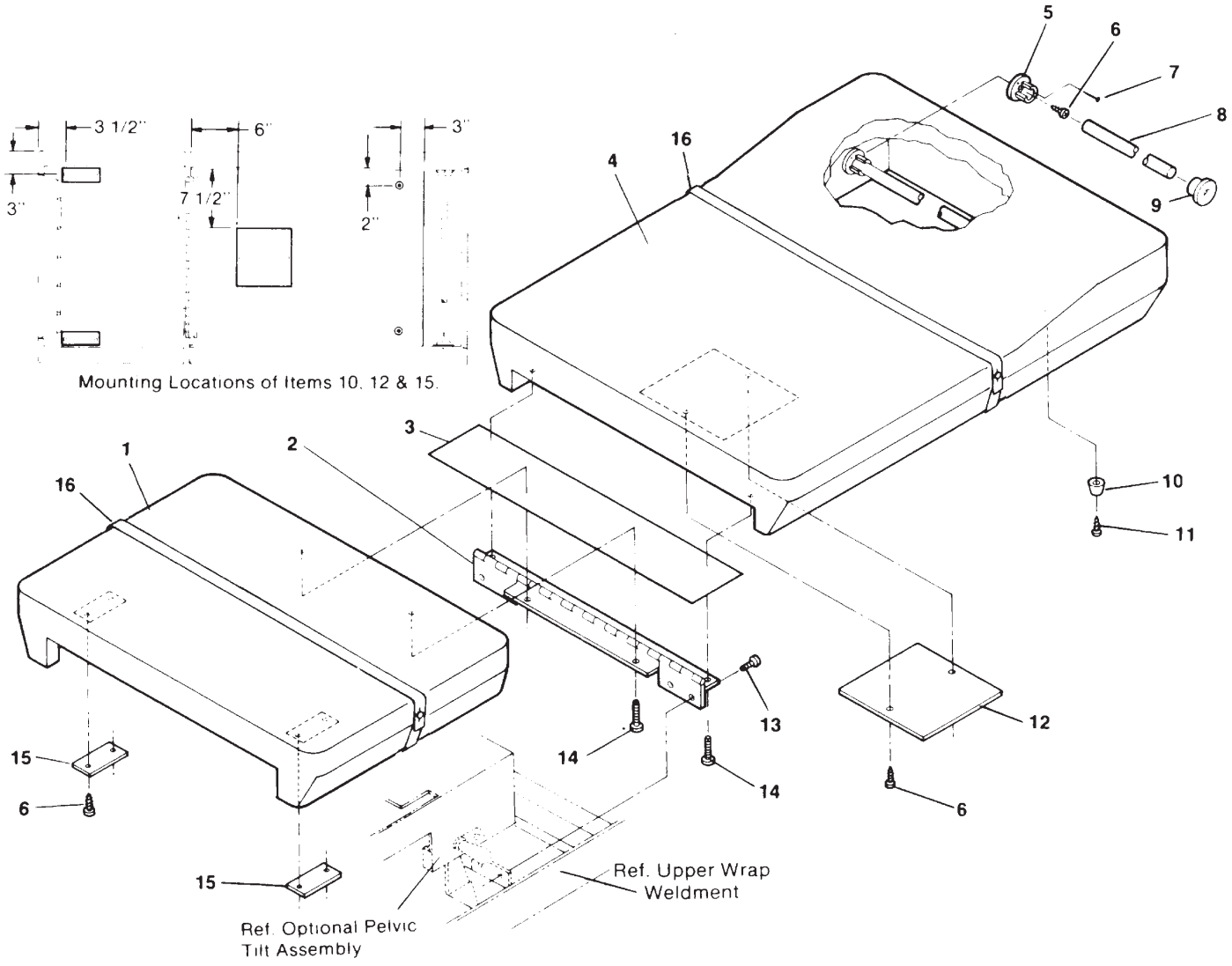
Seat And Headboard Upholstery Assembly



MA2706

Used On Units With Serial Numbers E1000 / F1000 Thru E15115 / F1822

Item	Part No.	Description	Qty.
1	002-0279-00	Upholstered Seat Without Pelvic Lift	1
	002-0097-00	Upholstered Seatboard With Pelvic Lift	1
2	016-0009-01	Top Hinge	1
3	056-0203-00	Vinyl Hinge Cover	1
4	002-0280-00	Upholstered Headboard Assembly	1
5	053-0043-02	L.H. Plastic Pole Socket	1
6	040-0006-26	Screw	6
7	042-0605-00	Wire Nail	1
8	055-0005-00	Wood Dowel	1
9	053-0043-01	R.H. Plastic Pole Socket	1
10	053-0024-00	Recess Bumper	2
11	040-0008-00	Screw	2
12	050-0194-00	Plate	1
13	040-0010-04	Screw	4
14	040-0010-01	Screw	7
15	050-0818-00	Scuff Plate	2
16	002-0049-00	Paper Tear Strip Assembly	2

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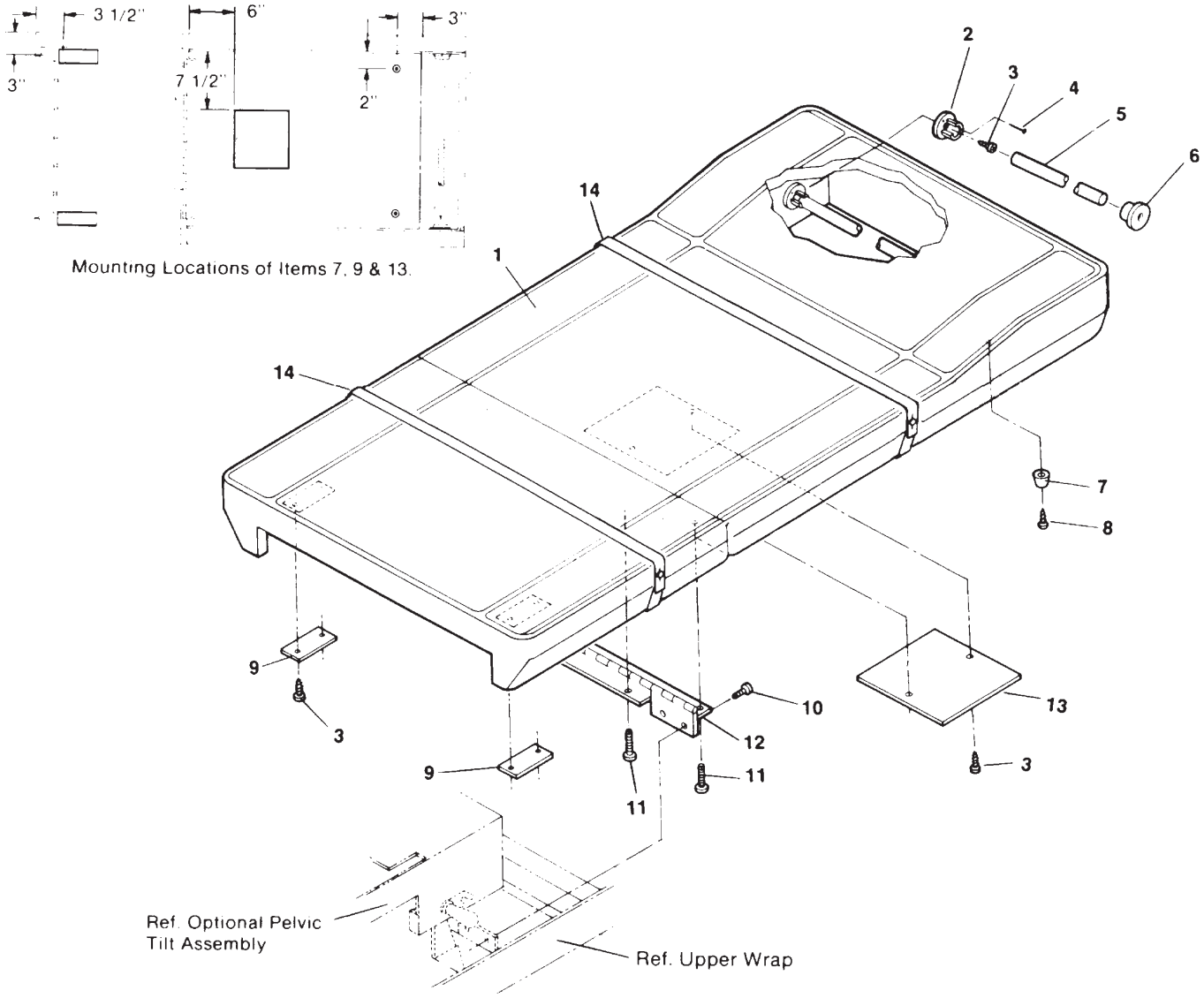
Seat And Headboard Upholstery Assy.



MA2707

Used On Units With Serial Numbers E15116 / F1823 Thru Present

Item	Part No.	Description	Qty.
1	002-0138-00	Upholstered Table Top (With Pelvic Lift)	1
	002-0140-00	Upholstered Table Top (Without Pelvic Lift)	1
2	053-0043-02	L.H. Plastic Pole Socket	1
3	040-0006-26	Screw	6
4	042-0605-00	Wire Nail	1
5	055-0005-00	Wood Dowel	1
6	053-0043-01	R.H. Plastic Pole Socket	1
7	053-0024-00	Recess Bumper	1
8	040-0008-00	Screw	2
9	050-0194-00	Scuff Plate	2
10	040-0010-35	Screw	4
11	040-0010-01	Screw	7
12	016-0009-01	Top Hinge	1
13	050-0194-00	Plate	1
14	002-0049-00	Paper Tear Strip Assembly	2

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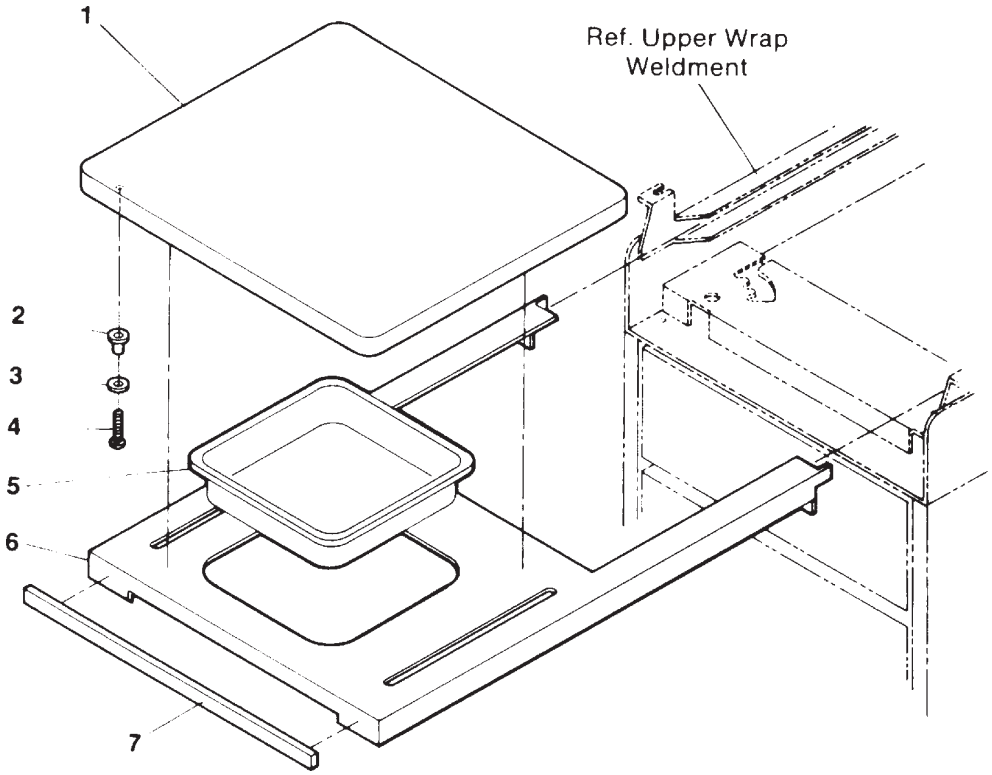
Foot Rest Assembly



MA2708

Item	Part No.	Description	Qty.
1	002-0283-00	Upholstery Footrest Pad (Includes Item 1, 2, 3, and 4)	1
2	053-0011-00	Nylon Bushing	4
3	053-0021-00	Rubber Washer	4
4	040-0250-02	Screw	4
5	053-0029-00	Treatment Pan (Used On Units With Serial Numbers E1000 / F1000 Thru E31541 / F3933	1
	053-0220-00	Treatment Pan (Used On Units With Serial Numbers E31542 / F3934 Thru Present	1
6	030-0024-01	Footrest (Used On Units With Serial Numbers 1000 Thru 26298	1
	030-0181-00	Footrest (Used On Units With Serial Numbers 26298 Thru E31541 / F3933	1
	030-0360-00	Footrest (Used On Units With Serial Numbers E31542 / F3934 Thru Present	1
7	029-0159-00	Footrest Shelf Trim Assembly	1

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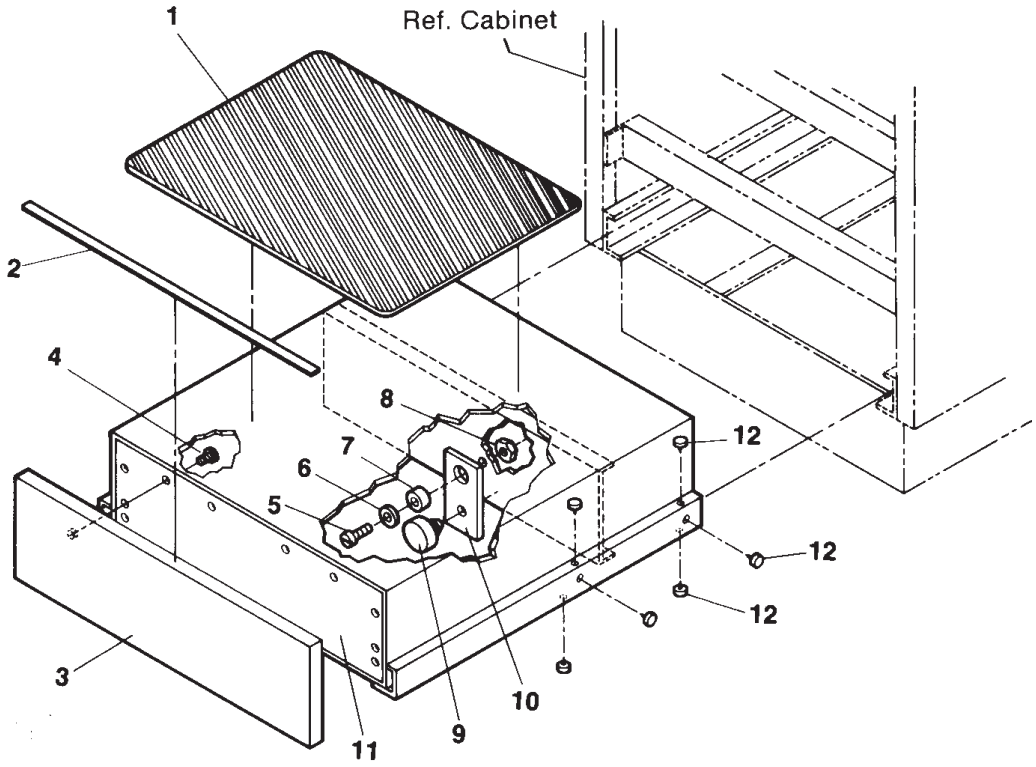
Step Assembly



MA2709

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	029-0162-00	Step Assembly - Complete	1	7	016-0138-09	Spacer	1
1	053-0048-00	Step Cover	1	8	041-0008-02	Nut	1
2	050-0379-00	Step Guard	1	9	053-0323-00	Button Bumper	1
3	055-1200-01	Step Front	1	10	051-0529-00	Step Stop Bar	1
4	040-0006-00	Screw	10	11	030-0587-00	Step Weldment	1
5	040-0008-06	Screw	1	12	053-0001-00	Nylon Stem Bumper	12
6	045-0001-39	Washer	1				

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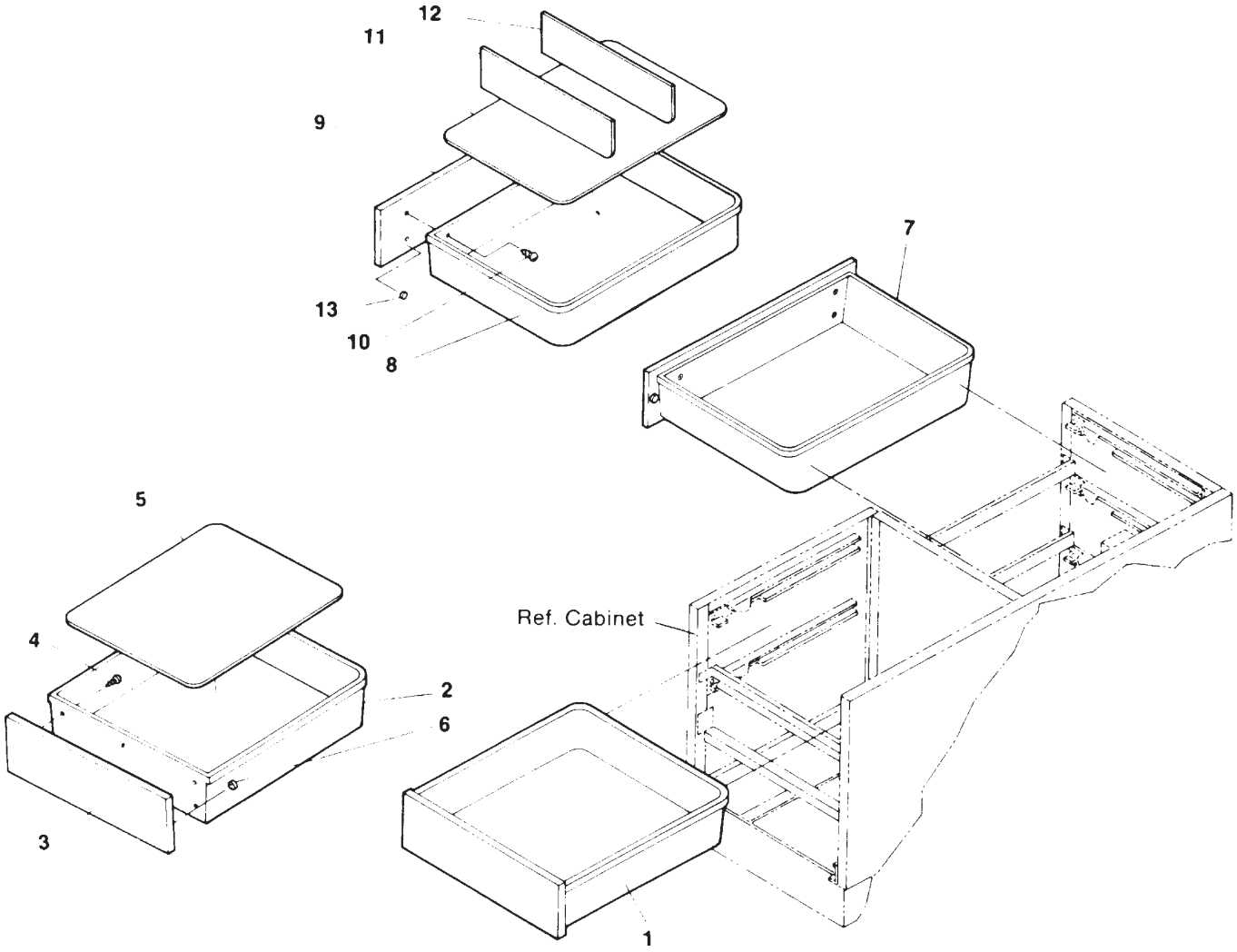
Drawer Assembly



MA2710

Used On Units With Serial Numbers E1000 / F1000 Thru E15115 / F1822

Item	Part No.	Description	Qty.
1	029-0049-00	Front Drawer Assembly - Complete (Includes Items 2, 3, 4, and 6)	1
2	• 053-0030-00	• Plastic Drawer	1
3	• 055-1200-02	• Drawer Front	1
4	• 040-0006-00	• Screw	5
5	• 060-0002-02	• Drawer Liner	1
6	• 053-0013-00	• Self-Sticking Bumper	2
7	029-0023-00	Side Drawer Assembly - Complete (Includes Items 8, 9, 10, and 13)	1
8	• 053-0032-00	• Plastic Drawer	1
9	• 055-0500-01	• Drawer Front	1
10	• 040-0006-00	• Screw	4
11	• 060-0002-00	• Drawer Liner	1
12	• 053-0012-00	• Drawer Divider	3
13	• 053-0013-00	• Self-Sticking Bumper	2

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NOTE: Above quantities are for a one drawer unit.

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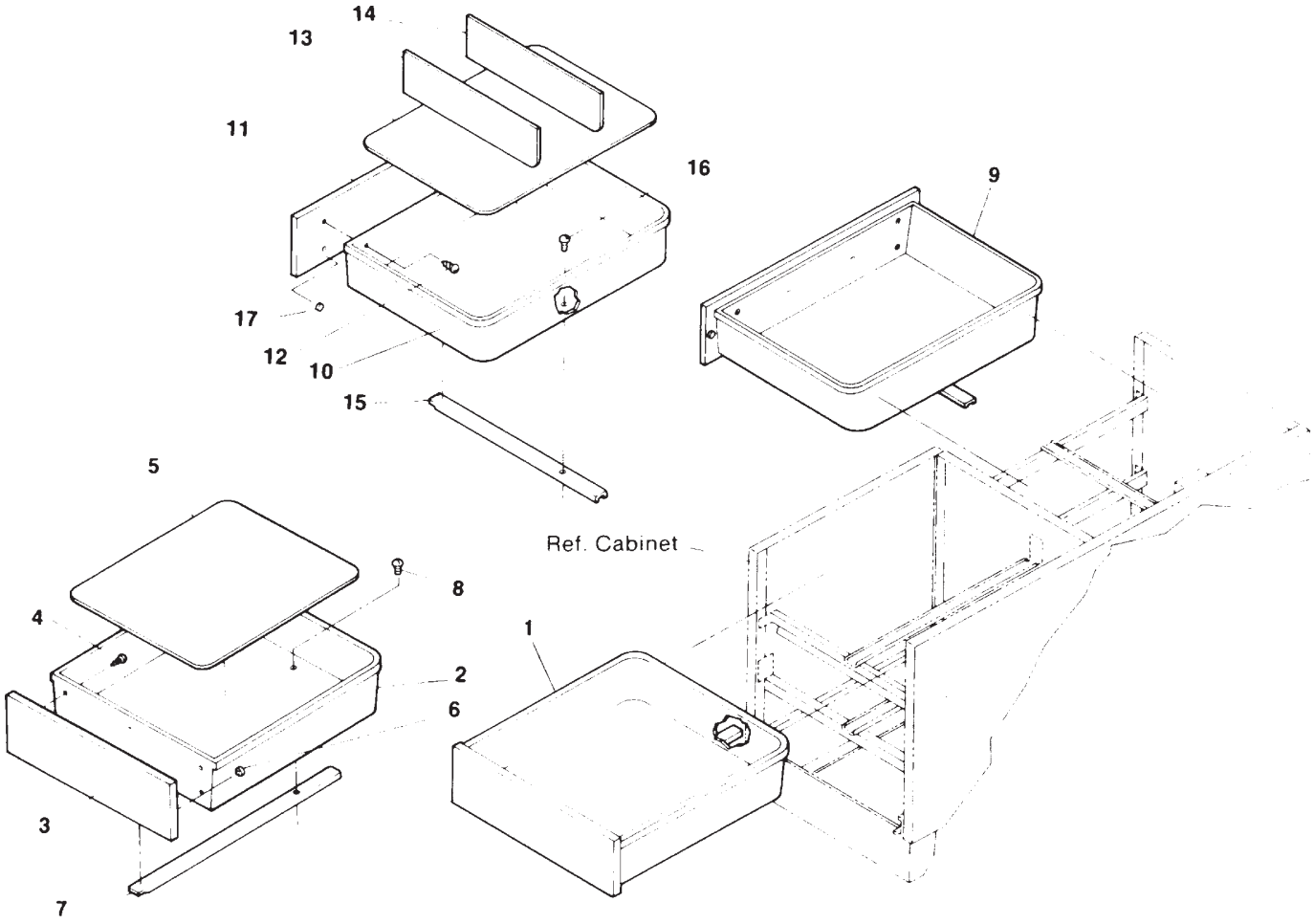
Drawer Assembly



MA2711

Used On Units With Serial Numbers E15116 / F1823 Thru Present

Item	Part No.	Description	Qty.
1	029-0313-00	Front Drawer Assembly - Complete (Includes Items 2, 3, 4, 6, 7, and 8)	1
2	• 053-0125-00	• Plastic Drawer	1
3	• 055-1200-03	• Drawer Front	1
4	• 040-0006-00	• Screw	6
5	• 060-0002-02	• Drawer Liner	1
6	• 053-0013-00	• Self-Sticking Bumper	2
7	• 016-0136-00	• Slide (Complete Inner & Outer)	1
8	• 040-0008-26	• Screw	1
9	029-0401-00	Side Drawer Assembly - Complete (Includes Items 10, 11, 12, 15, 16, and 17)	1
10	• 053-0124-00	• Plastic Drawer	1
11	• 055-4700-00	• Drawer Front	3
12	• 040-0008-26	• Screw	6
13	• 060-0002-00	• Drawer Liner	1
14	• 053-0012-00	• Drawer Divider	1
15	• 016-0160-00	• Slide (Complete Inner & Outer)	1
16	• 040-0008-26	• Screw	1
17	• 053-0013-00	• Self-Sticking Bumper	2

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NOTE: Above quantities are for a one drawer unit.

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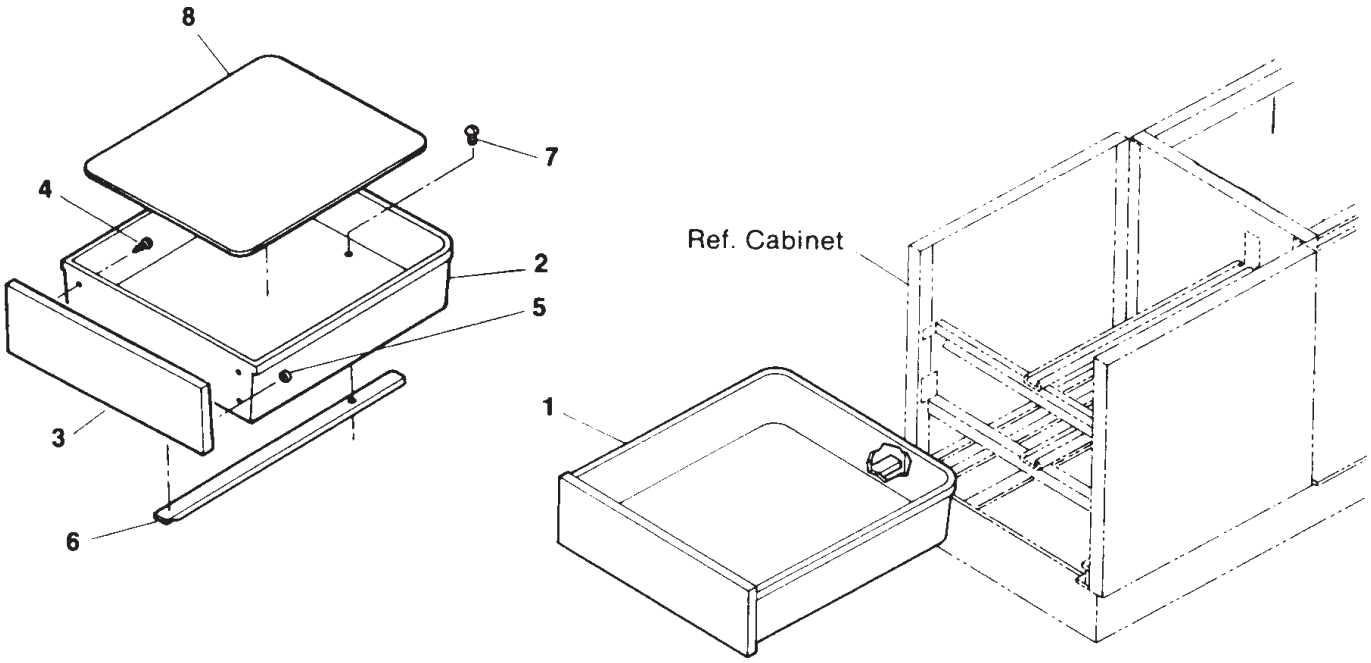
Drawer Assembly (With Side Doors)



MA2712

Item	Part No.	Description	Qty.
1	029-0313-00	Drawer Assembly - Complete (Includes Items 2, 3, 4, 5, 6, and 7)	1
2	• 053-0125-00	• Plastic Drawer	1
3	• 055-1200-03	• Drawer Front	1
4	• 040-0006-00	• Screw	6
5	• 053-0013-00	• Self-Sticking Bumper	2
6	• 016-0136-00	• Slide (Complete Inner & Outer)	1
7	• 040-0008-26	• Screw	1
8	• 060-0002-02	• Drawer Liner	1

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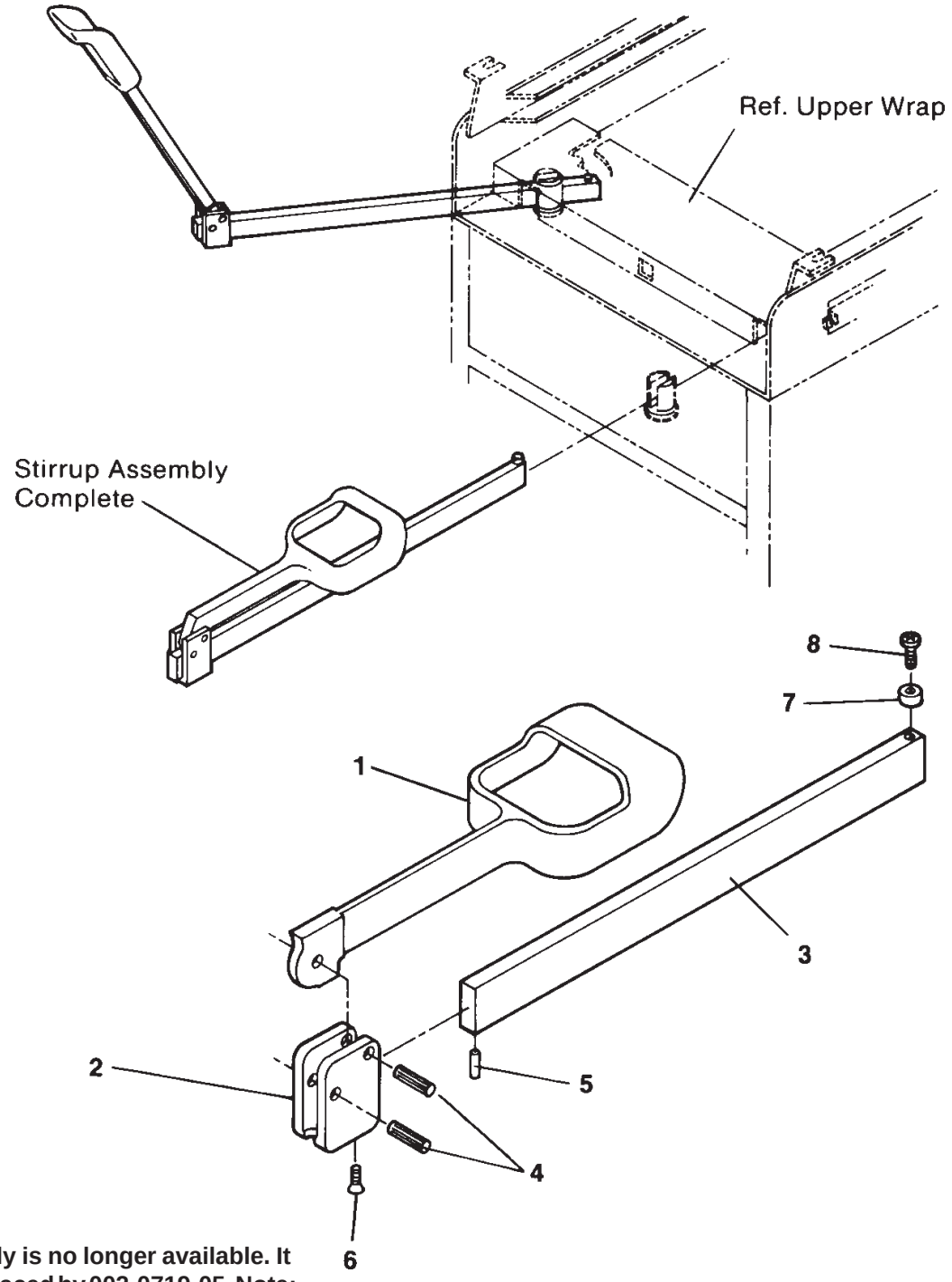
Stirrup Assembly



This assembly is no longer available. It has been replaced by 002-0719-05. Note: This kit contains only one stirrup.

MA2652

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	029-0152-00	Stirrup Assembly - Complete (Includes Items 1 thru 8)	1	4	042-0001-00	Roll Pin	2
1	020-0001-01	Vinyl Coated Stirrup	1	5	042-0001-02	Roll Pin	1
2	020-0012-00	Pivot Block	1	6	040-0250-15	Set Screw	1
3	051-0133-00	Horizontal Bar	1	7	053-0081-00	Nylon Bushing	1
				8	040-0250-01	Screw	1

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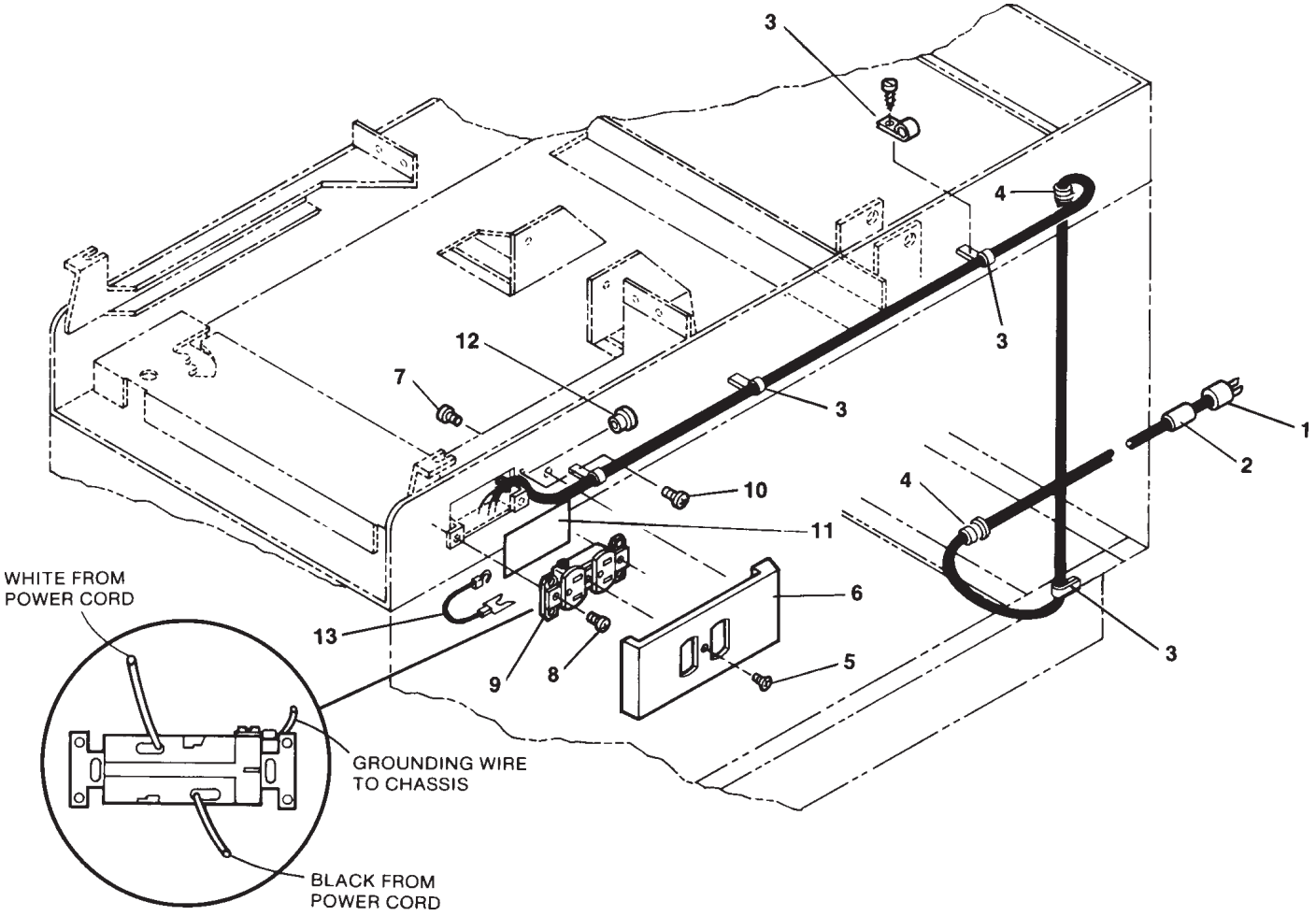
Wiring Diagram (Standard)



MA2653

Item	Part No.	Description	Qty.
1	015-0066-03	Cord Assembly	1
2	061-0034-00	Cord Tag	1
3	015-0007-02	Wire Clamp	4
4	015-0002-01	Strain Relief Bushing	2
5	040-0006-23	Screw	1
6	053-0134-00	Receptacle Cover	1
7	040-0010-04	Screw	1
8	040-0006-13	Screw	2
9	015-0083-00	Duplex Receptacle	1
10	040-0010-47	Screw	2
11	053-0092-00	Fishpaper Insulator	1
12	053-0068-07	Snap Bushing	1
13	015-0141-00	Jumper Wire (To Chassis)	1

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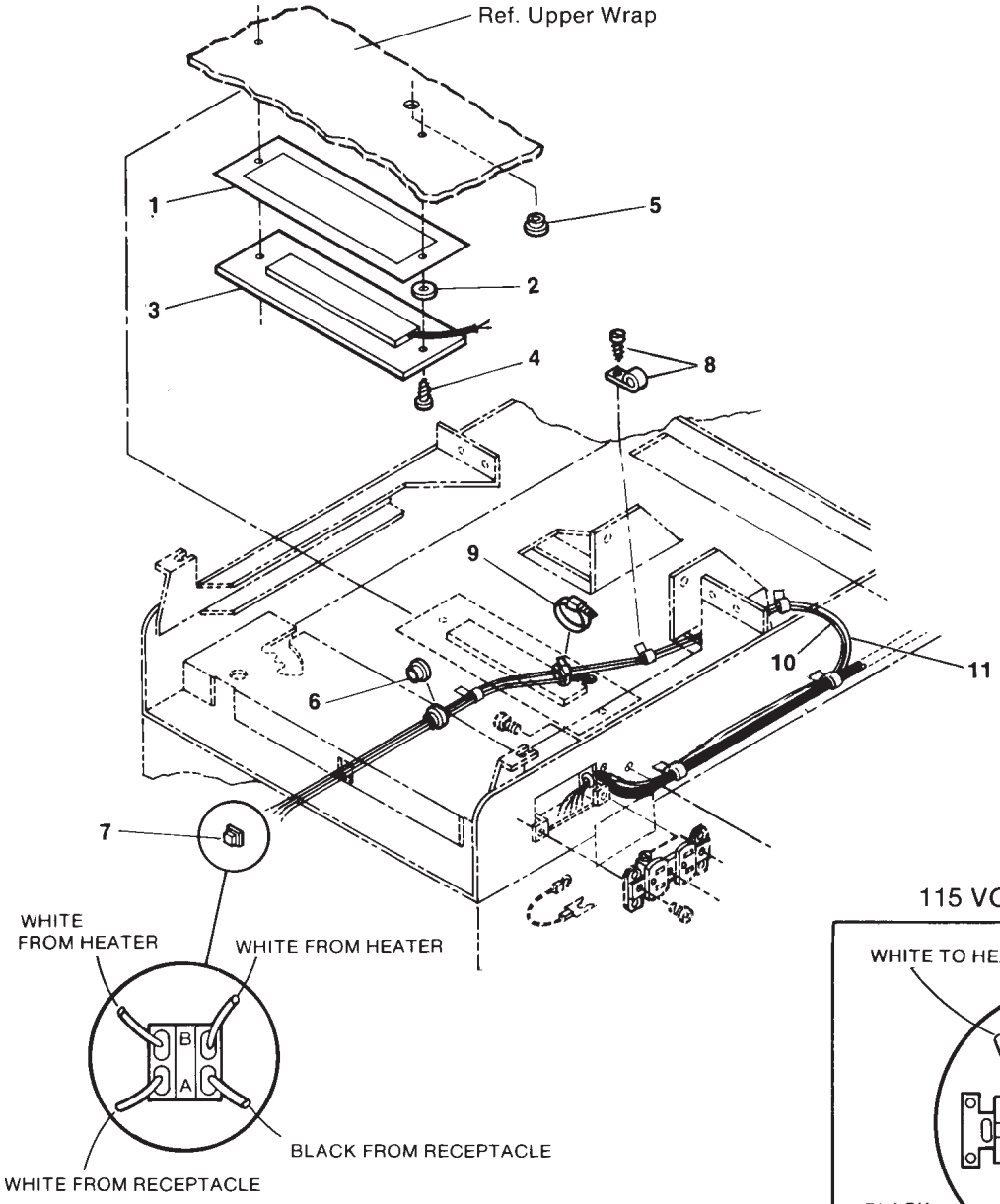
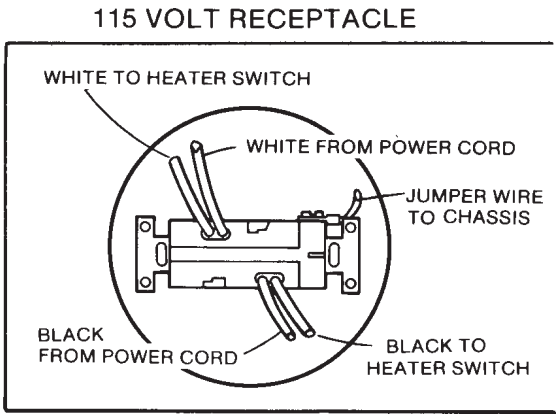
Wiring Diagram (Units w/ Heater)





MA2654

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	053-0137-01	Heat Shield	1	7	015-0258-00	Heater Switch	1
2	016-0117-00	Roller	2	8	015-0007-03	Wire Clamp	3
3	029-0056-00	Heater Plate Assembly	1	9	015-0013-00	Cable Tie	3
4	040-0010-07	Screw	2	10	015-0064-03	Jumper Wire	1
5	053-0068-01	Snap Bushing	3	11	015-0064-02	Jumper Wire	1
6	053-0068-00	Snap Bushing	1				

Always Specify Model & Serial Number

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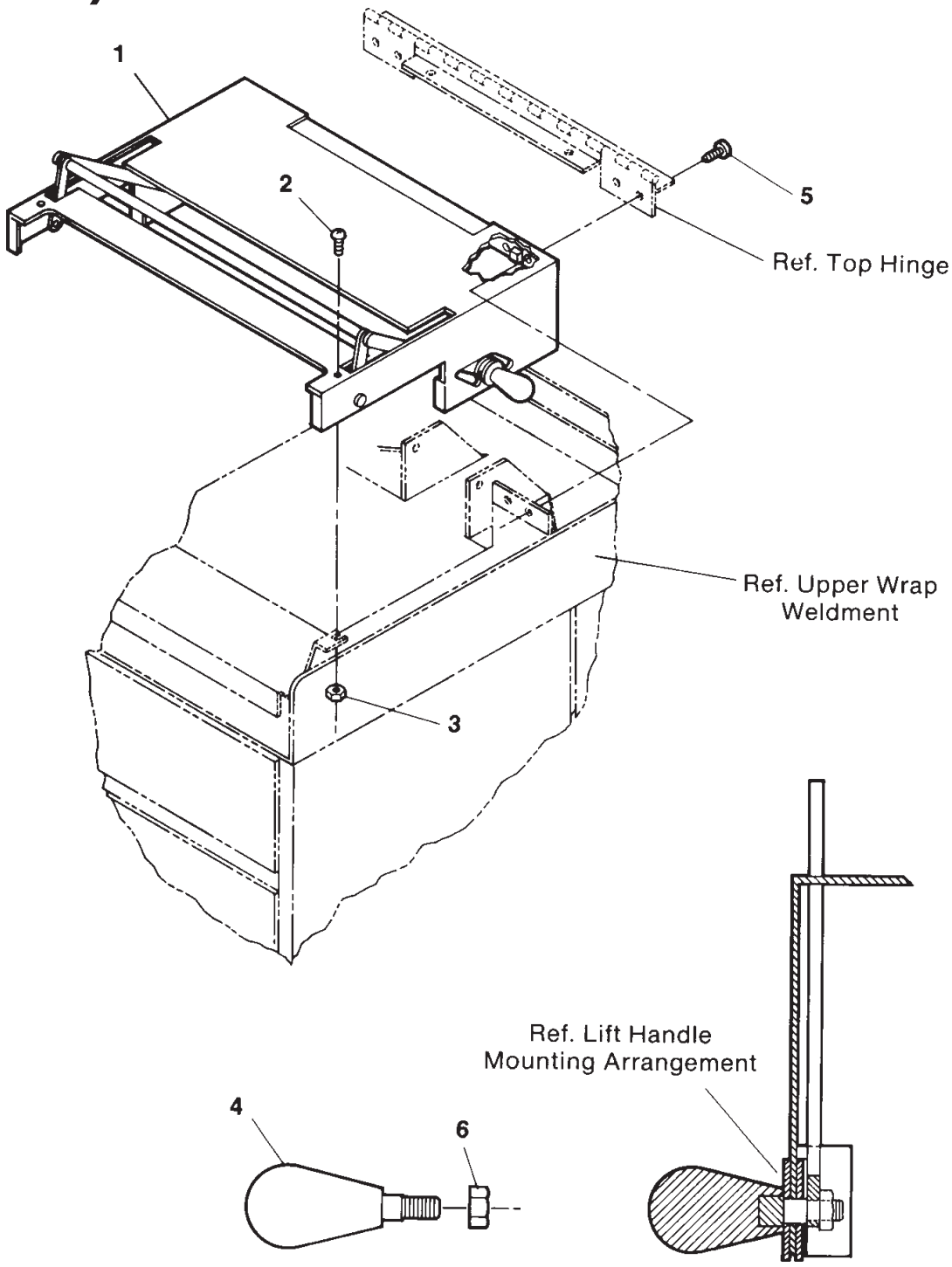
Pelvic Tilt Assembly (Optional)



MA2655

Item	Part No.	Description	Qty.
1	029-0319-00	Pelvic Tilt Assembly - Complete (Includes Items 2, 3, 4, and 5)	1
2	• 040-0010-23	• Screw	2
3	• 041-0010-02	• Nut	2
4	• 016-0184-00	• Lift Handle	2
5	• 040-0010-35	• Screw	4
6	• 041-0312-00	• Jam Nut	2

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SECTION VI
PARTS LIST

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COMMENTS

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FAX ORDERING FORM

(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:30 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT **OTHER** _____

UPS	FED EX
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY P.M.
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER

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